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 DATE: June 5, 2007

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TO: Commissioner for Patents, Mail Stop After Final		FAX NO.: 571-273-8300	
FROM:	Lowell L. Carson	ADMIN. ASST.:	Kathleen Spina
APPLN. NO.:	10/820,185	ATTY. DOCKET NO.:	UOD-124US/UD04-46
TITLE OF APPLN.: TERAHERTZ FREQUENCY RADIATION SOURCES AND DETECTORS BASED ON GROUP IV MATERIALS AND METHOD OF MANUFACTURE			
FILING DATE:	April 7, 2004	ART UNIT:	2828
FIRST INVENTOR:	James Kolodzey	CONF. NO.:	7420
TITLE OF DOCUMENT (and List of Attachments): Response to the Final OA dated 3/5/2007			
PTO-Fax Cover Sheet; Transmittal Sheet.			

 Total Number of Pages: 13 (including this form)

## COMMENTS

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PTO/SB/21 (08-04) (AW 10/2004)

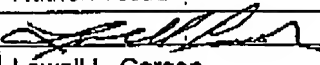
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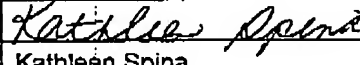
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<p align="center"><b>TRANSMITTAL FORM</b></p> <p align="center">(to be used for all correspondence after initial filing)</p>	Application Number	10/820,185
	Filing Date	April 7, 2004
	First Named Inventor	James Kolodzey
	Art Unit	2828
	Examiner Name	Van Roy, Tod Thomas
Total Number of Pages in This Submission 13		Attorney Docket No. UOD-124US/UD04-46

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO FAX COVER SHEET.
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Firm Name	RatnerPrestia		
Signature			
Printed Name	Lowell L. Carson		
Date	June 5, 2007	Registration No.	48,548

CERTIFICATE OF TRANSMISSION / MAILING			
I hereby certify that this correspondence is being facsimile transmitted to 571-273-8300 the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail AF Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or Printed Name	Kathleen Spina	Date	June 5, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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Appln. No.: 10/820,185  
Amendment Dated June 5, 2007  
Reply to Office Action of March 5, 2007

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/820,185  
Applicant: James Kolodzey  
Filed: April 7, 2004  
Title: TERAHERTZ FREQUENCY RADIATION SOURCES AND DETECTORS BASED ON GROUP IV  
MATERIALS AND METHOD OF MANUFACTURE  
T.C./A.U.: 2828  
Examiner: Van Roy, Tod Thomas  
Confirmation No.: 7420  
Docket No.: UOD-124US/UD04-46

**AMENDMENT UNDER 37 C.F.R. § 1.116**

**Expedited Procedure**

Mail Stop AF  
Commissioner for Patents  
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Sir:

Responsive to the Office Action dated March 5, 2007, please amend the above-identified application as follows:

- ☐ **Amendments to the Specification** begin on page \_\_\_\_\_ of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.
- ☐ **Amendments to the Drawings** begin on page \_\_\_\_\_ of this paper and include an attached replacement sheet(s).
- ☐ **Amendments to the Abstract** are on page \_\_\_\_\_ of this paper. A clean version of the Abstract is on page \_\_\_\_\_ of this paper.
- ☒ **Remarks/Arguments** begin on page 7 of this paper.